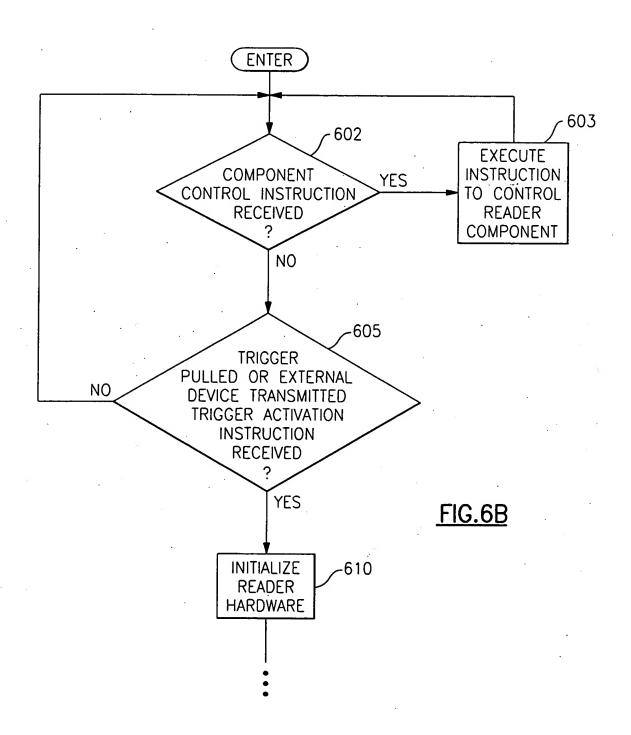


FIG.6A



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-650–1 -650-2 -650-3 -650-4 -650-5 -650-6 **OP** PRODUCT DATA DATA DATA DATA **OFFSET** CODE 1D CODE 0 2 1 3 650 FIG.7A

# OPTIONS (OFFSET) TABLE

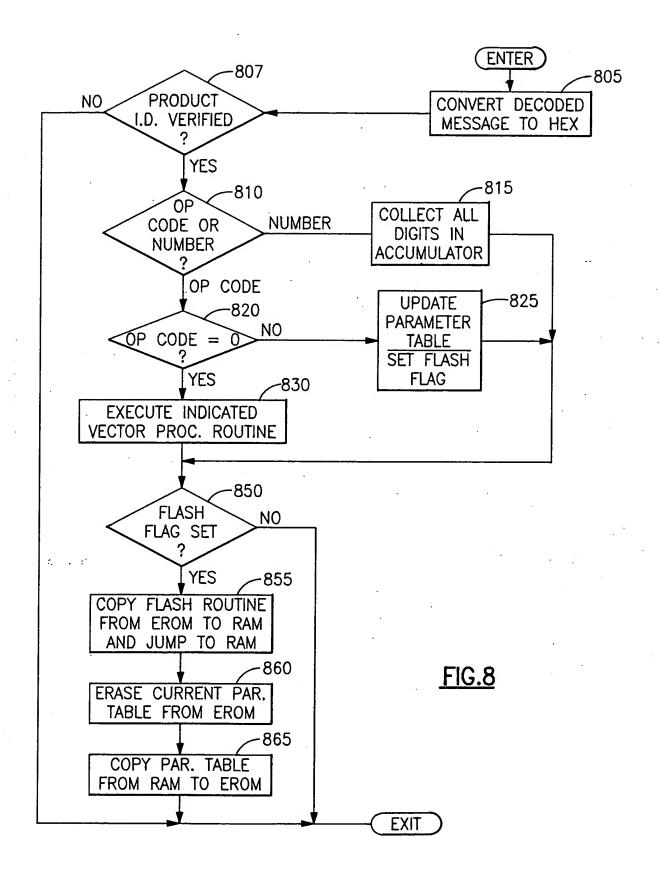
- A. COMMUNICATIONS OPTIONS
  - 1. RS-232
  - 2. BAUD RATE
  - 3. RF LINK
  - 4. ETHERNET
- B. CODE OPTIONS
  - 1. DISABLE 1D
  - 2. DISABLE 2D
  - 3. DISABLE INDIV.
  - 4. MIN-MAX LENGTH
  - 5. MULTIPLE SYMBOLS ENABLED
- C. SCANNING-DECODING OPTIONS
  - 1. ONE SHOT
  - 2. REPEAT UNTIL DONE
  - REPEAT UNTIL STOPPED
  - 4. SCAN ON DEMAND
  - 5. SKIP SCAN
  - 6. DECODE ON DEMAND
- D. OPERATING OPTIONS
  - 1. BEEPER VOLUME
  - 2. AIMING LED ON/OFF
  - 3. AURAL FEEDBACK
- E. TRANSMIT OPTIONS
  - 1. SEND CHECK CHAR'S
  - 2. SEND CHECKSUM
  - 3. DATA EDIT OPTIONS

<u>FIG.7B</u>

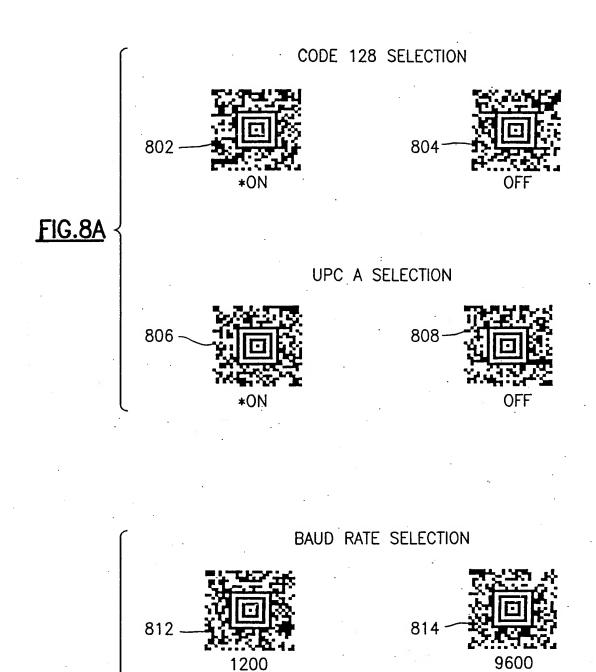
# OP CODE TABLE

- A. OP CODE "O"-VECTOR PROC.
  - 1. OUTPUT VERSION OF SOFTWARE
  - 2. OUTPUT CONTENTS OF PARAMETER TABLE
  - 3. DISPLAY ENABLED CODES
  - 4. PRINT PARAMETER TABLE AS BAR CODE SYMBOL
- B. OP CODE "1" CLEAR
- C, OP CODE "2" SET
- D. OP CODE "3" TOGGLE
- E. OP CODE "4" ADD
- F. OP CODE "5" DEFAULT
- G. OP CODE "6" LOAD
- H. OP CODE "7" RESERVED

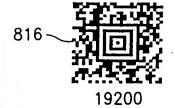
FIG.7C

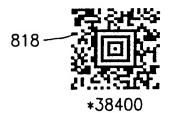


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# \*DEFAULT ALL CODE 11/CODE 128 SETTINGS\*



#### CODE 11 SELECTION

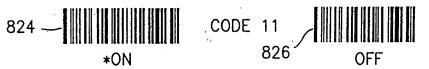




FIG.8C



# CODE 128 SELECTION



‡ A TWO-DIGIT NUMBER IS REQUIRED AFTER SCANNING THIS PROGRAMMING BAR CODE. PLEASE SCAN YOUR SELECTION ON THE PROGRAMMING CHART (INSIDE BACK COVER).

# RS-232D PORT 2 (D OUTPUT) \*DEFAULT ALL RS-232 PORT 2 SETTINGS\*

858—

CTS CHECK SELECTION

862

**ENABLE** 

864 \_\_\_\_

\*DISABLE

# BAUD RATE SELECTION

FIG.8D

866 —

300

600

00

872

1200

874 —

2400

876

4800

878

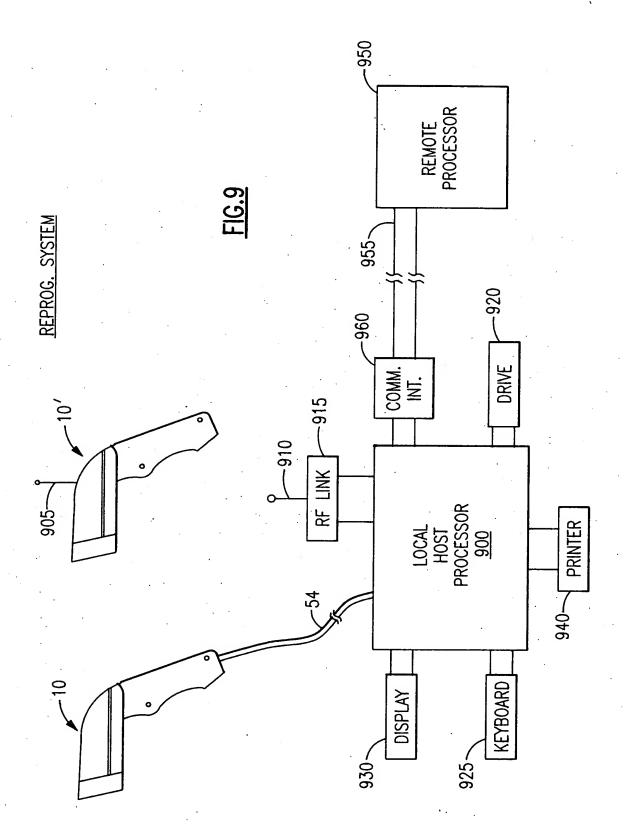
**\*9600** 

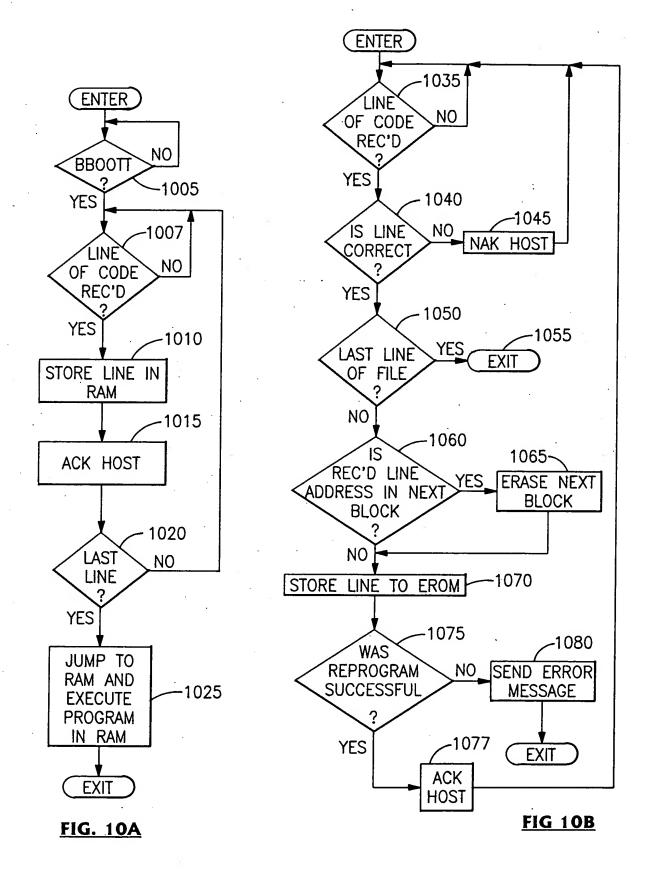
882

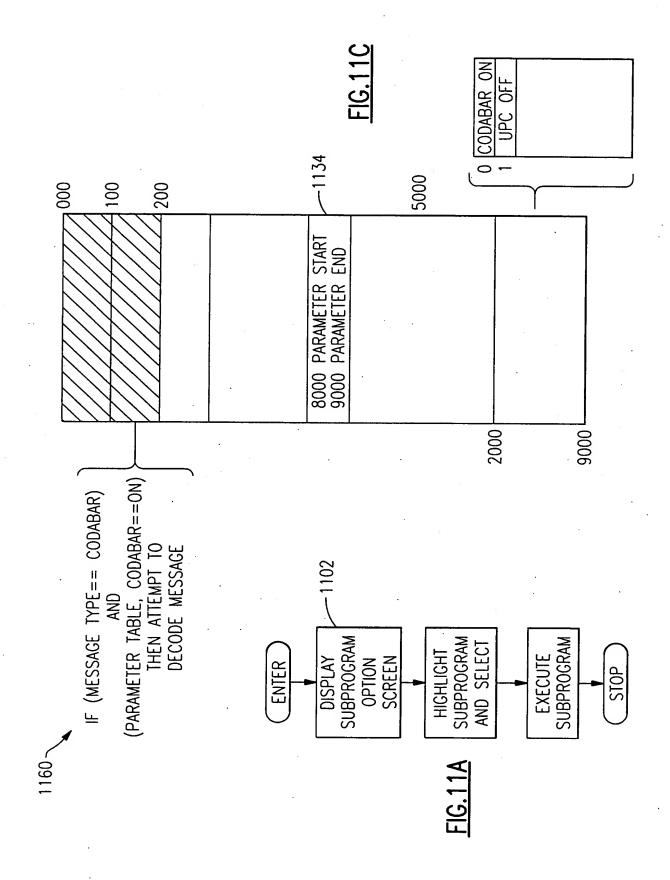
19200

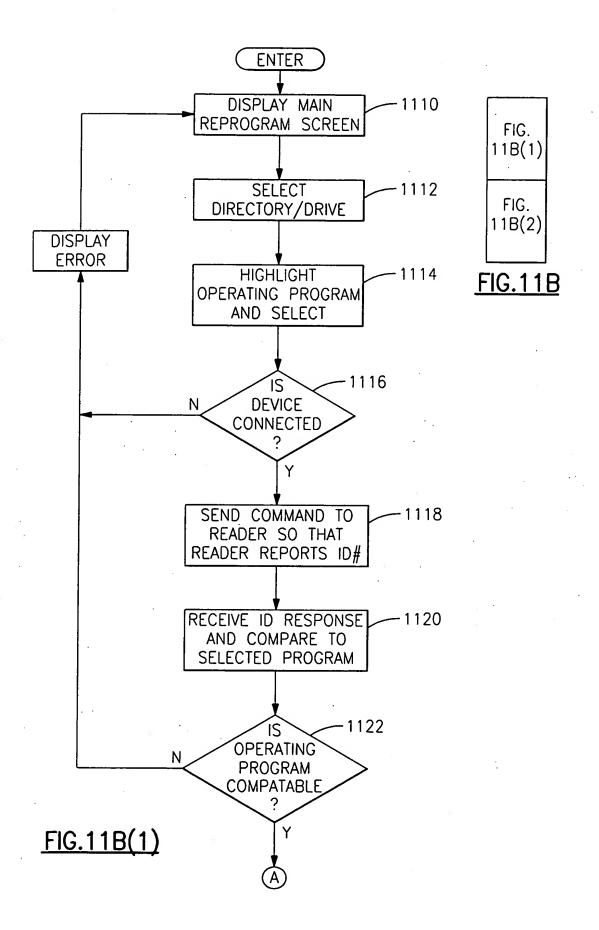
884\_\_\_\_

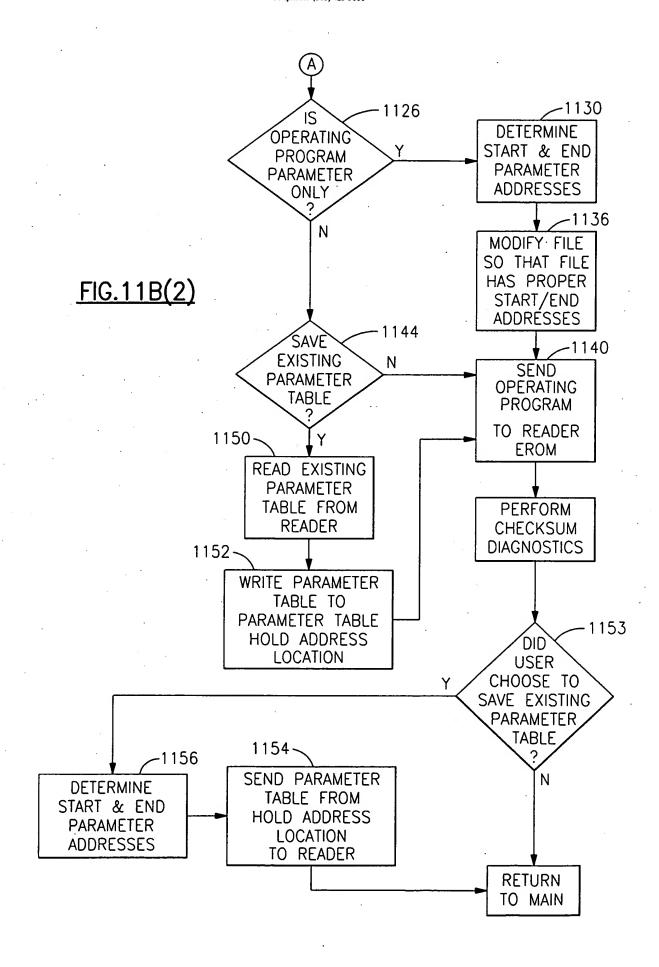
38400

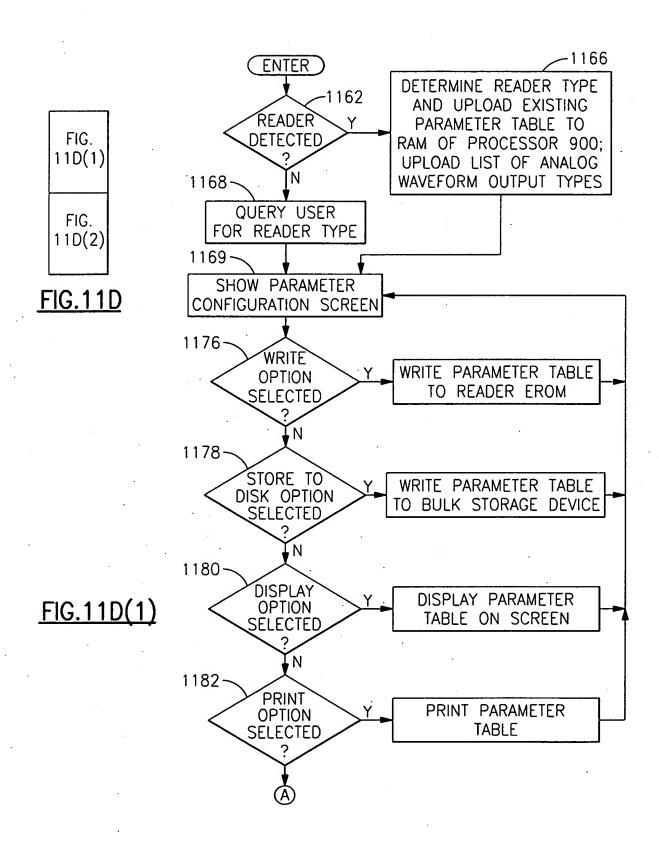


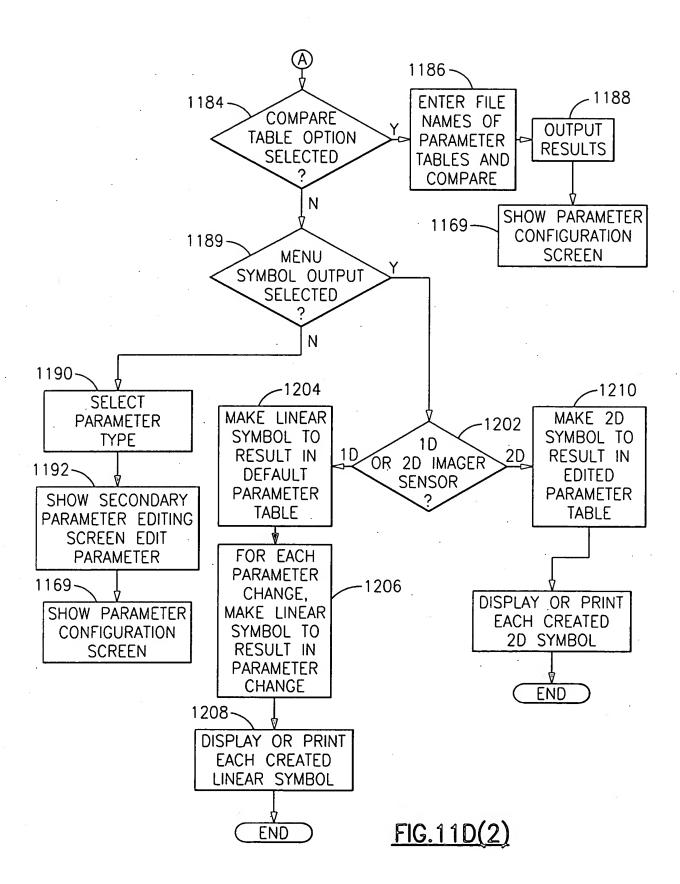






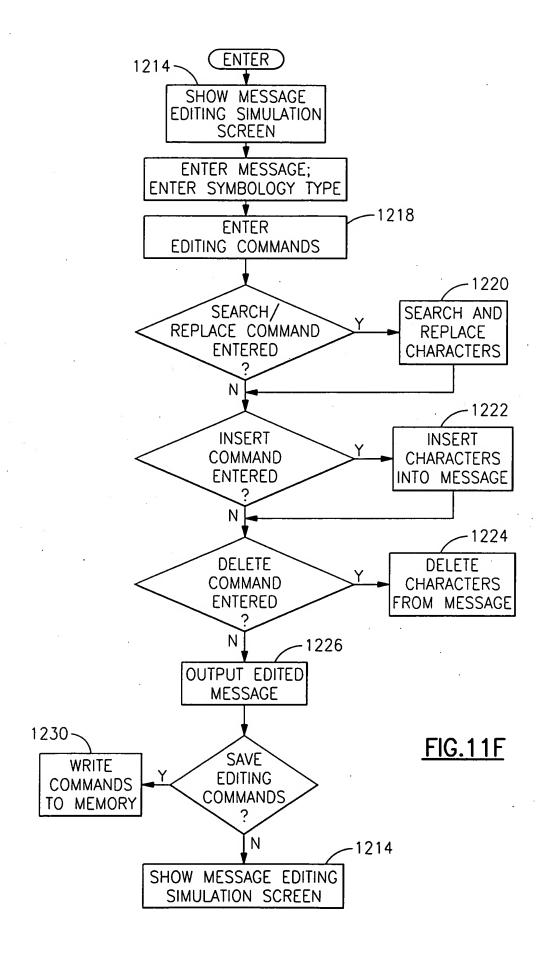






|   |   | READ FROM DEVICE   | WRITE TO DEVICE                 | COAD FROM DISK  | DEFAULT ALL  | ,   | HFI P  | CLOSE .   |  |
|---|---|--|---------------------------------|---|--|---|--|---|--|
| STATE OF STATE CONFIGURATION SOLVE STATES | DESCRIPTION: FIRMWARE ID: WA23720027      | SETUP CHARACTERS TO TRANSMIT BEFORE AND/OR AFTER EACH BARCODE SYMBOL SCANNED | SETUP VARIOUS OUTPUT PARAMETERS | SETUP DECODING CHARACTERISTICS FOR EACH BARCODE SYMBOLOGY | SELECT THE TERMINAL INTERFACE THE DEVICE WILL CONNECT TO | CUSTOMIZE THE FORMAT OF THE OUTPUT OF THE BARCODE MESSAGE | SETUP THE DEVICE'S SERIAL COMMUNICATION PARAMETERS | SETUP VARIOUS PRIMARY AND SECONDARY INTERFACE OPTIONS |  |
|   | PRODUCT: ST3400-x2<br>CONFIGURATION: DESC | PREFIX/SUFFIX  | <u>O</u> UTPUT SETTINGS         | SYMBOLOGY SETUP   | IERMINAL INTERFACE                                       | DATA <u>F</u> ORMATTING                                   | S <u>e</u> rial settings                           | MISC. SETTINGS  |  |

FIG. 11E

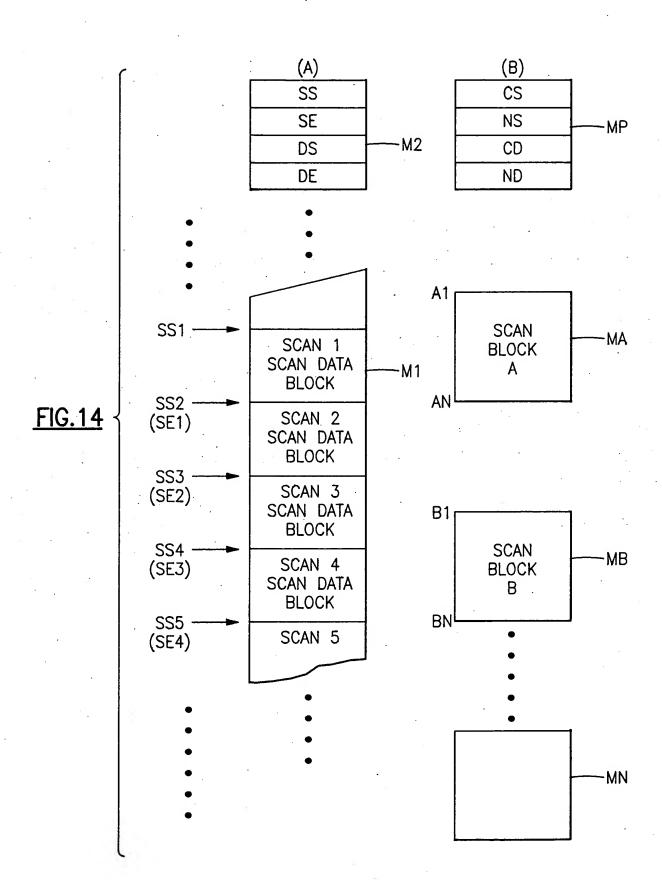


| (A) LIGHT   SCANNING SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN5  TIME   DECODING   DECODE   DECODE   SCAN 4   SCAN 1   SCAN 2   SCAN 3   SCAN 4   SCAN 4   SCAN 1   SCAN 1 SCAN 2 SCAN 4 SCAN5  TIME   DECODING   DECODING   DECODE SCAN 1 |           |                  | TIME      | SCAN 3      |
|---|-----------|------------------|-----------|-------------|
| ECODING  SCAN 1  CANNING  SCAN 1  ECODING   |           | DECODE<br>SCAN 4 | SCAN5     | 2 DECODE    |
| ECODING  SCAN 1  CANNING  SCAN 1  ECODING   | 3 SCAN 4- | DECODE<br>SCAN 3 | 3ISCAN 4- | DECODE SCAN |
| ECODING  SCAN 1  CANNING  SCAN 1  ECODING   | N 2 SCAN  |                  | N 2 SCAN  | ODE SCAN 1  |
| CANNING  <br>ECODING<br>CANNING   | AN 1 SCA  | DECODI           | AN 1 SCA  | DEC         |
| (A) LIGHT (B) HEAVY (B) LOAD  | CANNING ! | DECODING         | SCANNING  | DECODING    |
|   | (A) LIGHT | COAD (           | (B) HEAVY | l COAD (    |

FIG. 12 Prior Art

| CODING CO | SCAN 1   SCAN 2   SCAN 3   SCAN 4   SCAN 5   SCAN 6   SCAN 7   SCAN 8     DECODE | (B) SCANNING SCAN 1   SCAN 2     SCAN 3     SCAN 4       SCAN 5   DECODE SCAN 3   DECODE SCAN 3   DECODE SCAN 3   SCAN 4 | S SCAN 1   SCAN 2   SCAN 3   SCAN 4   SCAN 5   SCAN 6   SCAN 7   SCAN 8    DECODE SCAN 1   DECODE SCAN 2   DECODE SCAN 5   DECODE SCAN 7 | SCAN 1   SCAN 2   SCAN 3   SCAN 4   SCAN 5   SCAN 6   SCAN 7   SCAN 8     (MEM A)   (MEM B)   (MEMORY | SCAN 1   SCAN 2   SCAN 3   SCAN 4   SCAN 5   SCAN 6   SCAN 7   SCAN 8     (MEM A)   (MEM B)   (MEMORY B)   (MEMORY B)   (MEMORY B)   (MEMORY B) |
|--|--|--|--|---|---|
| SC (S) DE | (A) SCANNING SCAN 1 DECODING   | B) SCANNING DECODING   | (C) SCANNING SCAN 1<br>DECODING  | (D) SCANNING DECODING   | (E) SCANNING (  |

FIG. 13



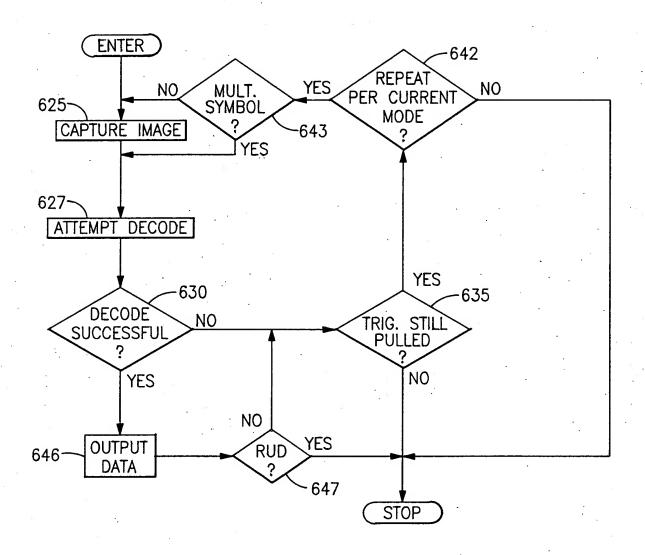
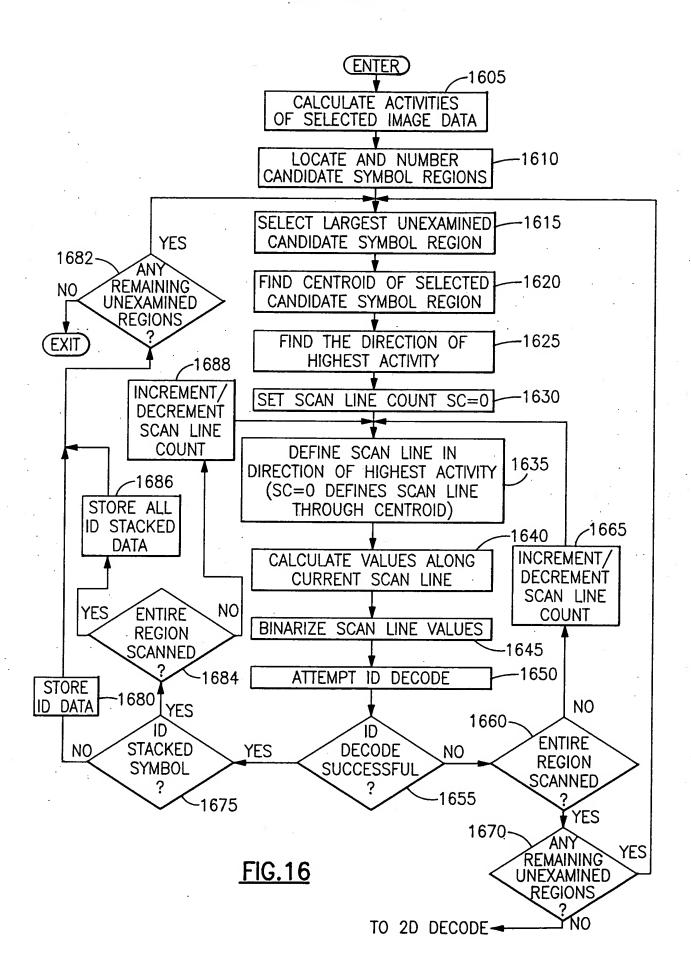
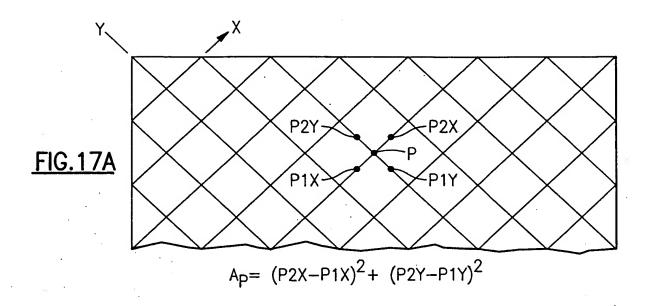
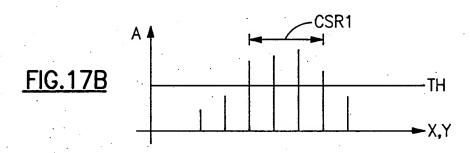
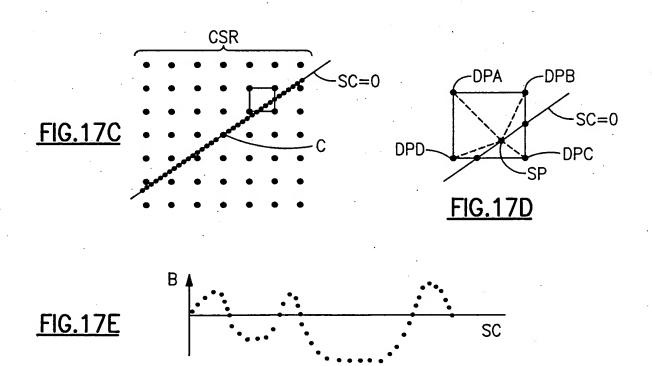


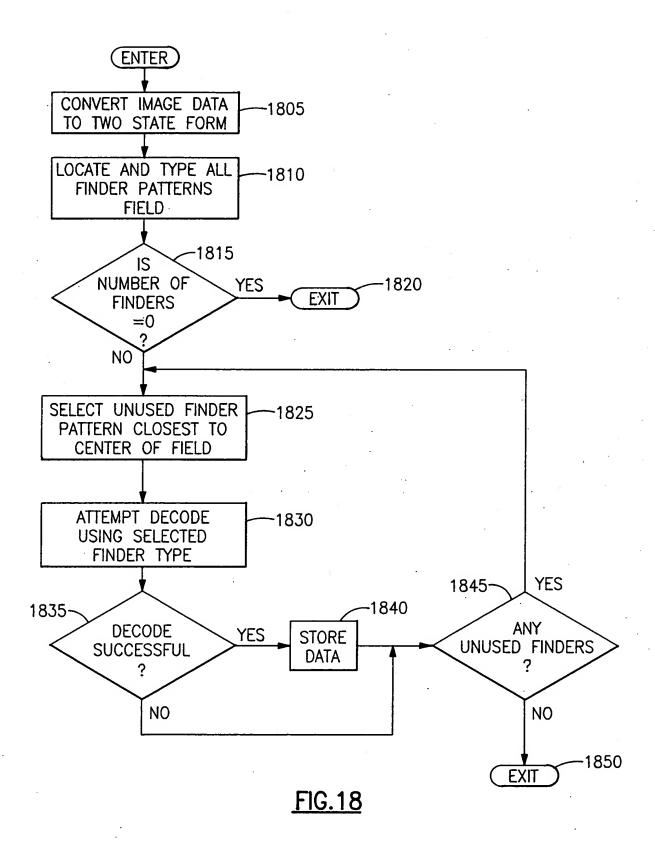
FIG.15











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FIG. 19A

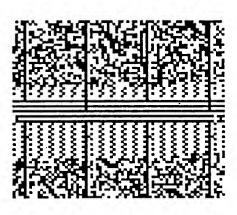


FIG.19B

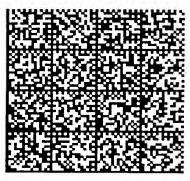


FIG.19C

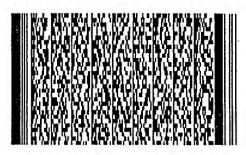
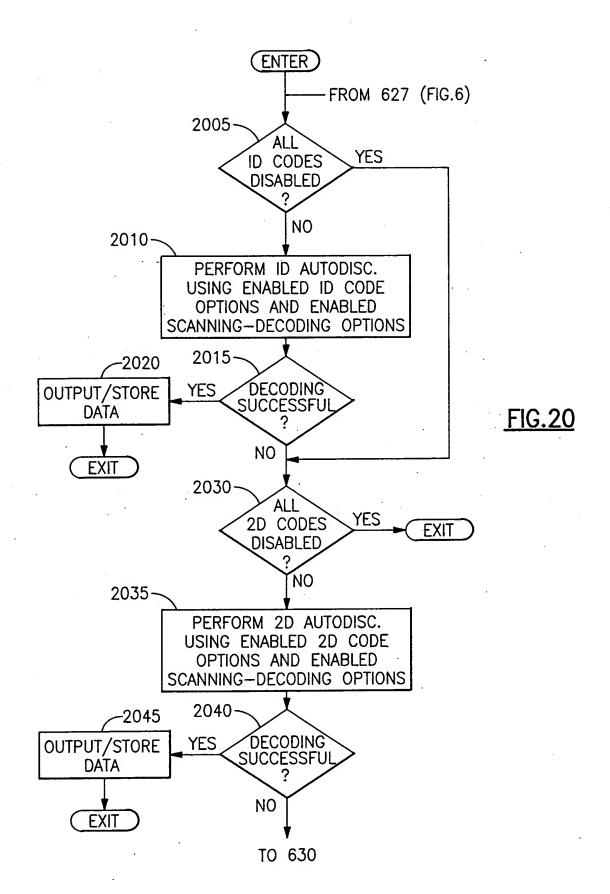
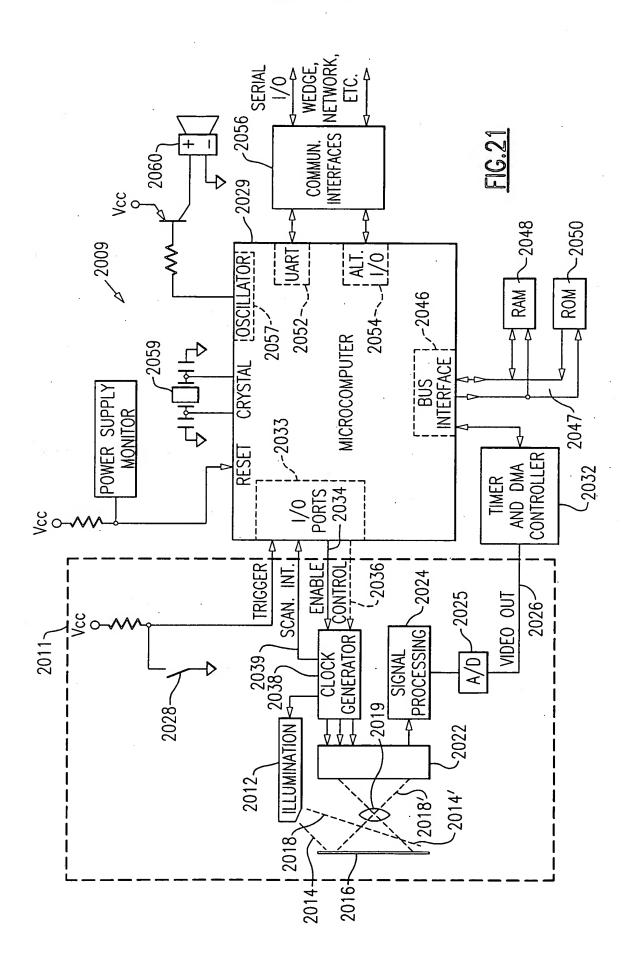
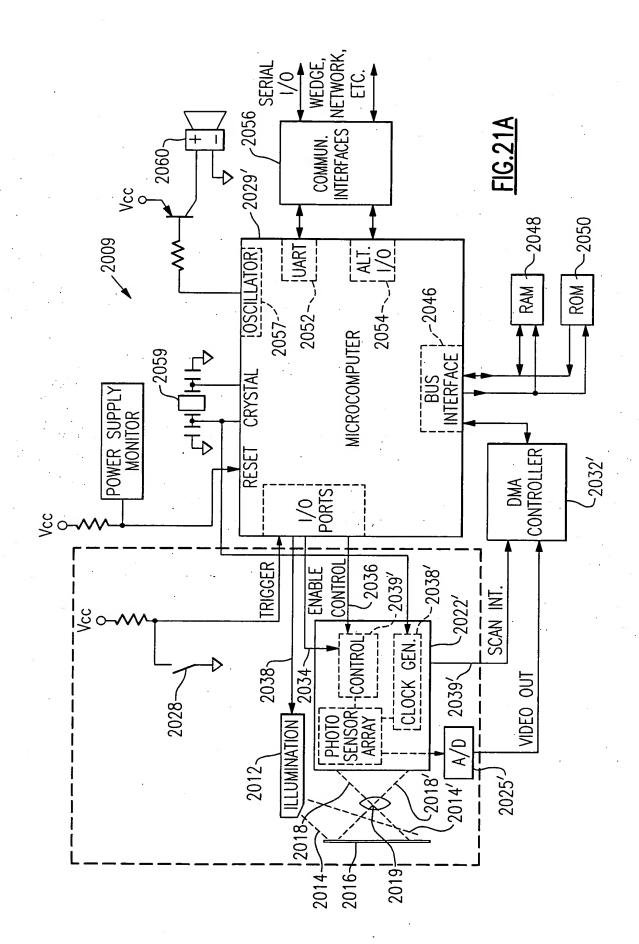
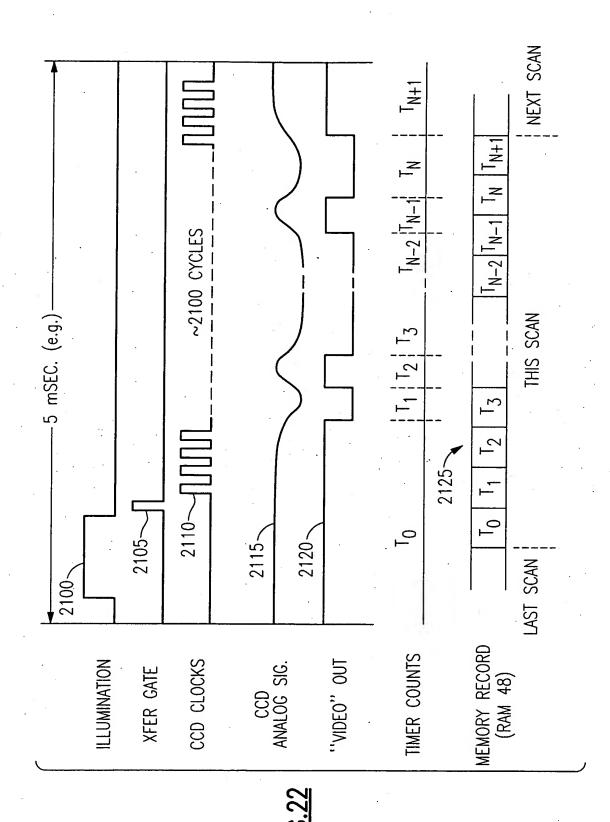


FIG.19D

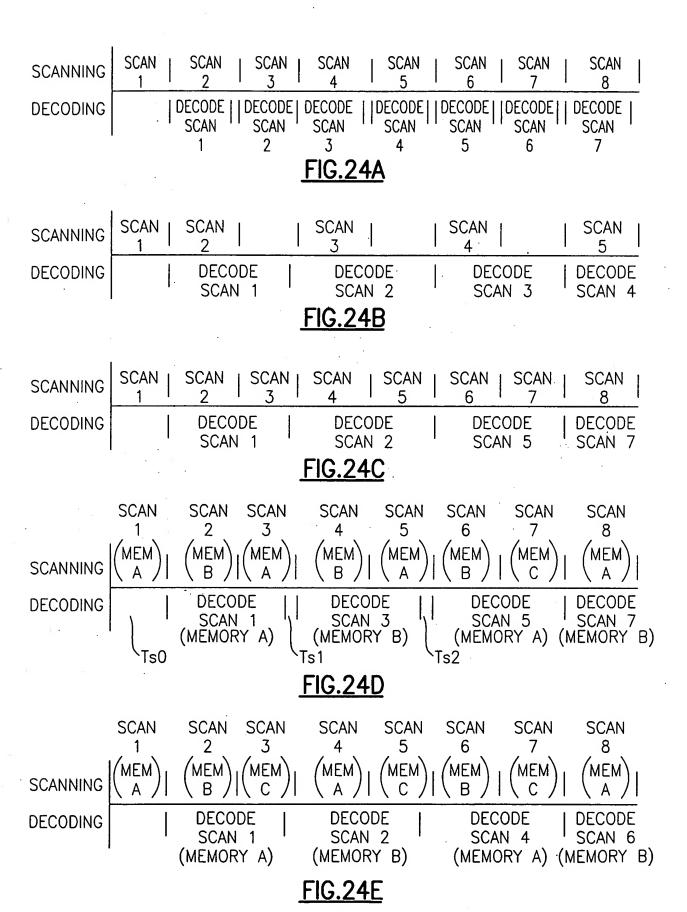








|      | ļ                                  | <b>₩</b>           |                      |   |      | Ļ                                  |              |                      |
|------|------------------------------------|--------------------|----------------------|---|------|------------------------------------|--------------|----------------------|
|      | SCAN 5                             | DECODE  <br>SCAN 4 |                      |   |      | SCAN 5                             | - BECODE -   | . ·                  |
|      | SCAN 4-                            | DECODE  <br>SCAN 3 |                      |   |      | SCAN 4-                            | DECODESCAN 2 |                      |
|      | - SCAN 3-                          | DECODE  <br>SCAN 2 | <b>—</b> , +         |   | · ·  | - SCAN 3-                          | )E           | <b>~</b> ! +         |
|      | SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN 5 | DECODE  <br>SCAN 1 | FIG.23A<br>Prior Art |   |      | SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN 5 | DECODE       | FIG.23B<br>Prior Art |
|      | SCAN                               |                    |                      |   |      | SCAN                               |              |                      |
|      | SCANNING                           | DECODING           |                      | · |      | SCANNING                           | DECODING     |                      |
| 2135 | LIGHT                              | LOAD               | ·                    |   | 2140 | HEAVY                              | LOAD         |                      |



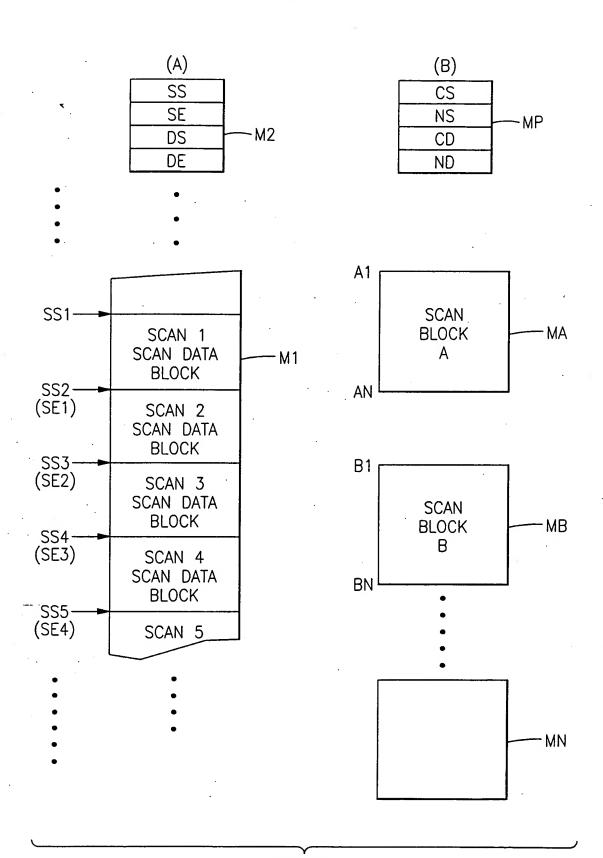


FIG.25

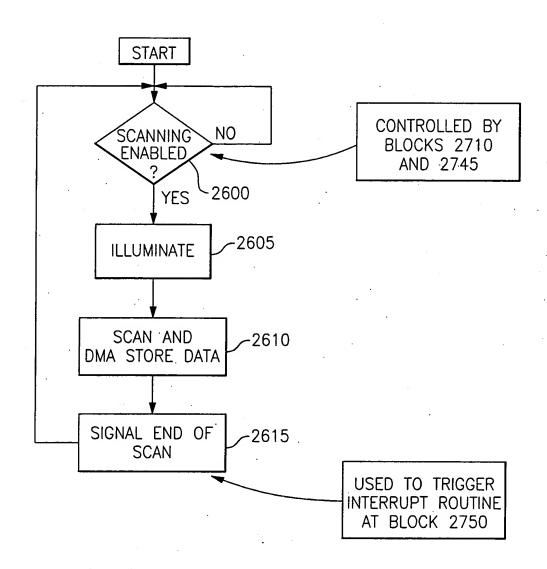
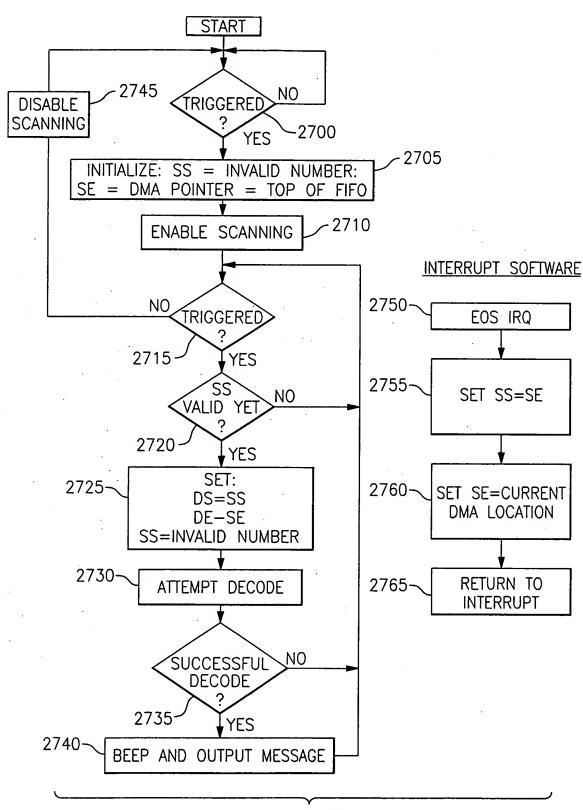
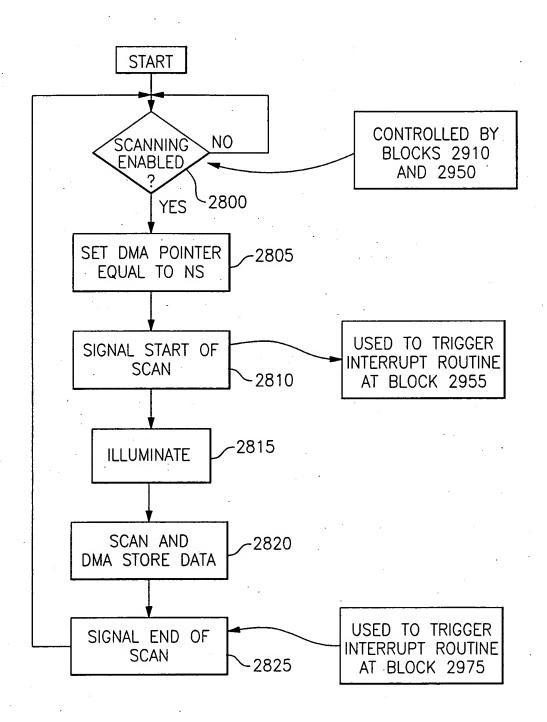


FIG.26



**FIG.27** 



**FIG.28** 

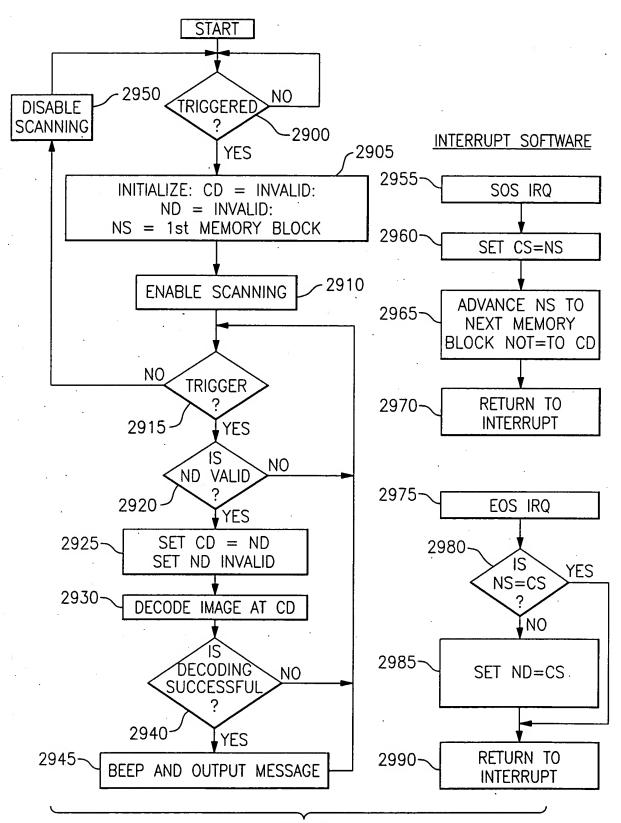
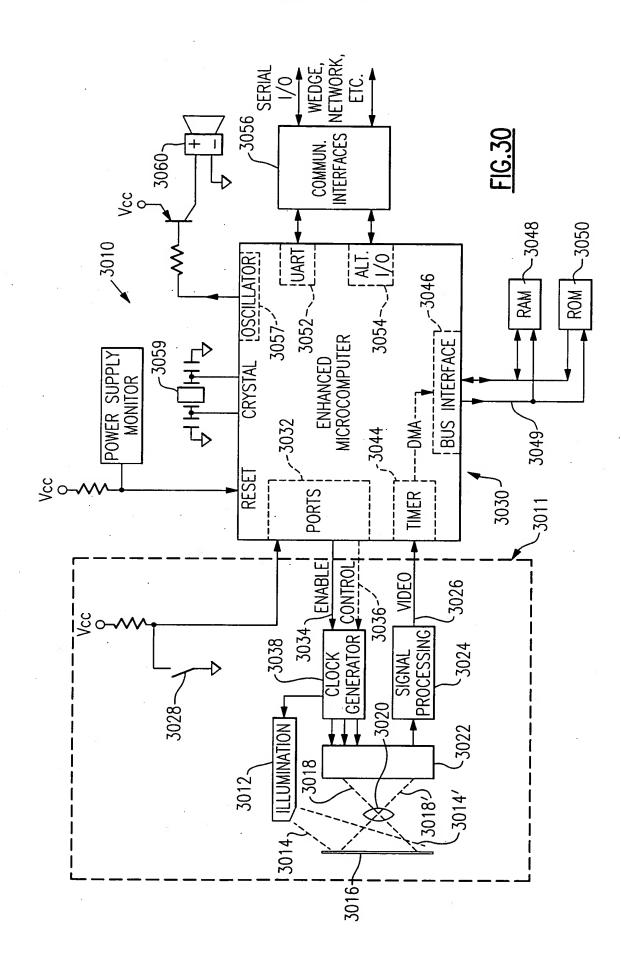
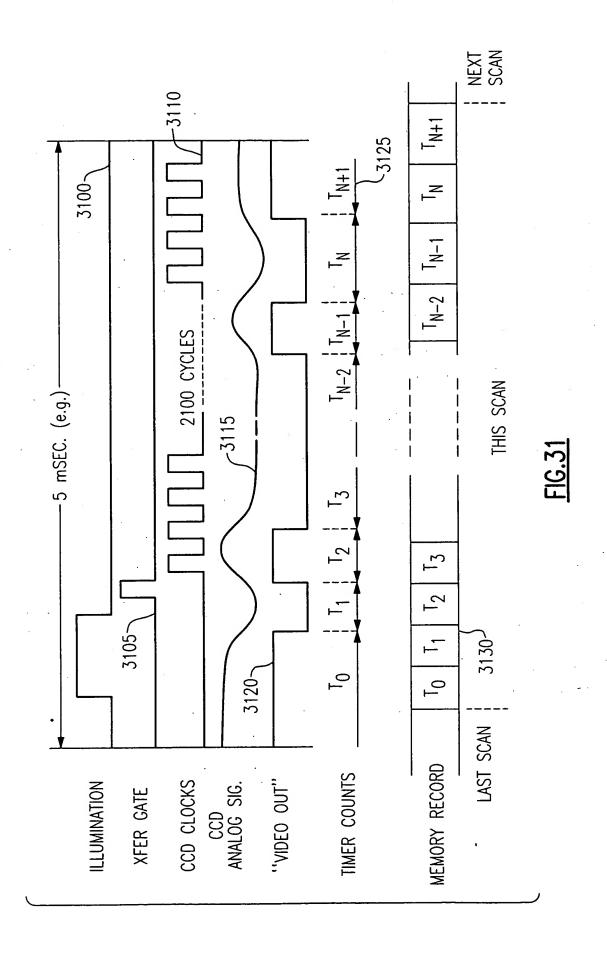
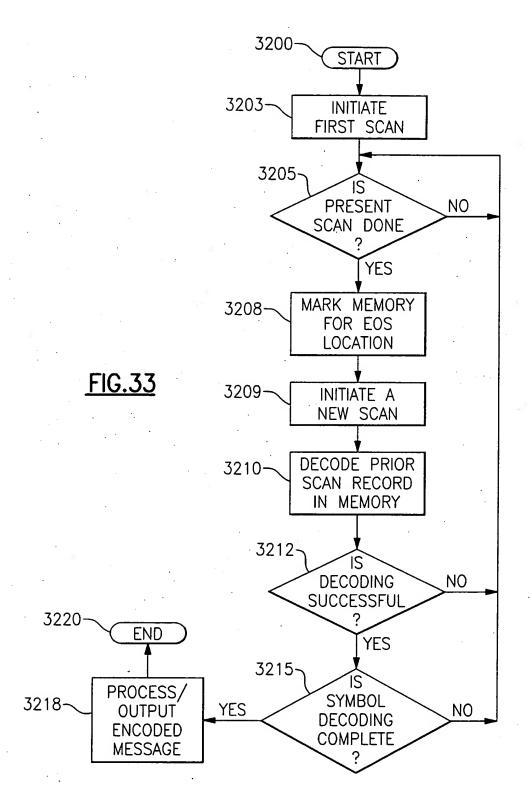


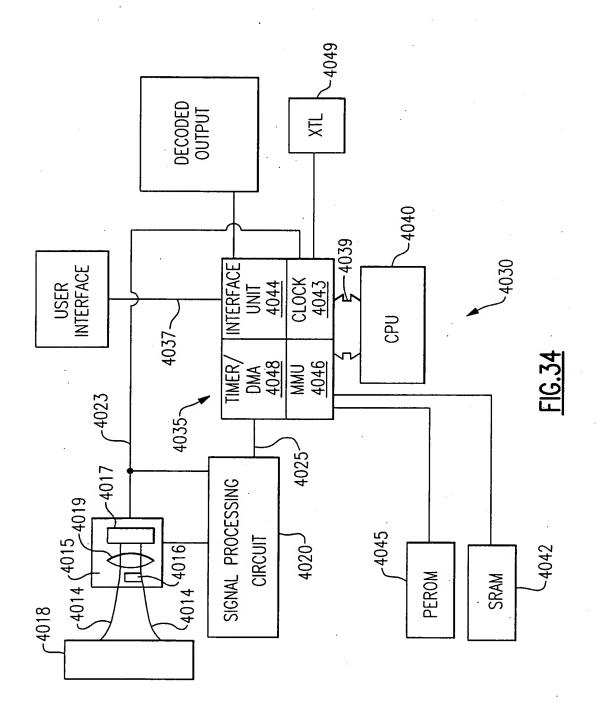
FIG.29





| T   SCANNING  - SCAN 1 SCAN 2 SCAN 3 SCAN 4 | DECODING   DECODE   DECODE   SCAN 3   SCAN 3 | γ SCANNING   SCAN 1 SCAN 2 SCAN 3 SCAN 4 | DECODING DECODE SCAN 1 DECODE SCAN 2 DECODE SCAN 4 | FIG. 32A | Prior Art |   | T  SCANNING $ -$ SCAN 1 $-$ - SCAN 2 $-$ SCAN 3 $-$ SCAN 4 $-$ - | D DECODING   DECODE   DECODE   DECODE   SCAN 3 | // SCANNING  - SCAN 1 SCAN 2     SCAN 3     SCAN 4 | D DECODING   DECODE SCAN 1 DECODE SCAN 2 DECODE SCAN 3 | FIG.32B |
|---|--|--|--|----------|-----------|---|--|--|--|--|---------|
| LIGHT                                       | LOAD   | HEAVY                                    | LOAD   |          | ·         | - | LICHT  | LOAD.  | HEAVY  | LOAD   |         |





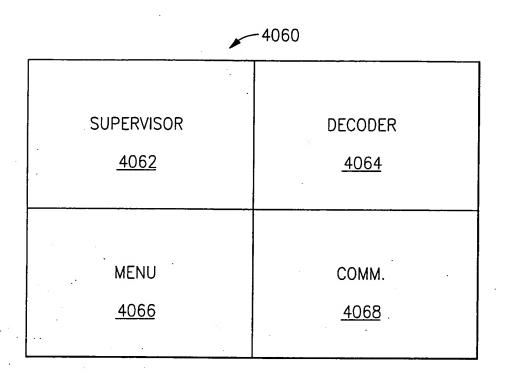


FIG.35

